

1998



REPORT

of the

Local Board of Health



THE CITY OF EDMONTON
ALBERTA

1957

RCB/344



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BOARD OF HEALTH, 1957

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EX-OFFICIO MEMBERS

Mayor W. Hawrelak

Dr. G. M. Little, M.O.H.

Mr. J. D. A. MacDonald, City Engineer

Catharine Rose, Secretary

BOARD OF HEALTH, 1956

Dr. H. D. Hebb, Chairman

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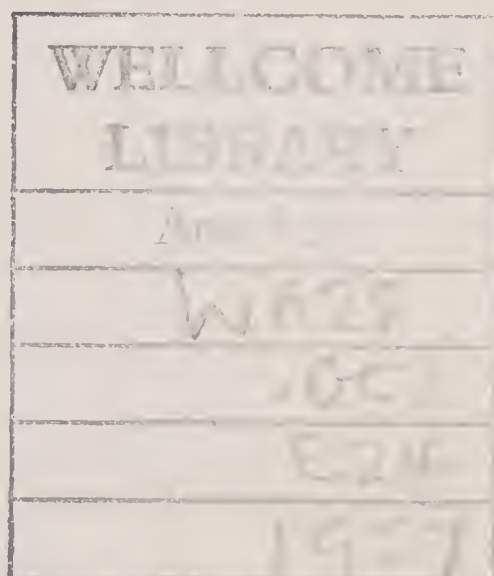
STAFF

Medical Officer of Health	G M. Little, M.D., D.P.H.
Asst. Medical Officer of Health	G. H. Ball, M.B., Ch.B., D.P.H.
Medical Officer	Mildred Newell, M.B., L.M.C.C.
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Physician, Pediatrics	L. Beauchamp, B.Sc., M.D., R.C.P.S.(C)
Physician, Pediatrics	K. Swallow, B.Sc., M.D., R.C.P.S. (C)
Physician, School Health	O. B. Bode, M.D., M.R.C.S., L.R.C.P.
Physician, School Health	P. Daly, M.D.
Physician, School Health	R. M. Hayes, M.D., Ch.B., M.R.C.P.
Physician, School Health	D. C. Triantas, M.D.
Dental Director, School Health	R. A. McCormack, D.D.S.
Dentist, School Health	S. S. Kucey, D.D.S.
Dentist, School Health	R. Piche, D.D.S.
Dentist, School Health	R. L. Tegart, D.D.S.
Dentist, School Health	M. B. Levitt, D.D.S.
Sr. School Nurse	Lord, Miss A.
Sr. School Nurse	Crookshanks, Miss E., B.Sc., P.H.
Sr. Nurse, Well Baby Clinic	Christensen, Miss S. C.
Sr. Nurse, Inoculation Clinic	Griffith, Miss M.
Chief Sanitary Inspector	Alexander, L. G., C.S.I., (C)
Milk and Dairy Supervisor	Meredith, R. B., C.S.I. (C)
Chief Food Inspector	Pennifold, K., V.S.
Secretary, Board of Health	Rose, Miss C. R.

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Annual Report of the Medical Officer of Health

Chairman and Members
Local Board of Health
Edmonton, Alberta.

Ladies and Gentlemen:

I have the pleasure of presenting to you the following report of the activities of our Board during 1957:

In March our main office moved to excellent quarters on the 7th floor of the new City Hall, and our central well baby and inoculation clinics to convenient space on the ground floor of the same building. We believe this has enabled us to improve our services to the public, and this belief has been verified by many appreciative statements from our citizens.

Increases of 6.4% in our general population, and 9.8% in our school population from the previous year, provide a measure of the increasing demands upon our services. Your staff is pleased to think that these demands indicate an increasing recognition of the value of health services offered to our citizens.

Additional personnel authorized by the Board has been adequate, but rapid change makes it no easy task to accurately assess our needs for even a year in advance. Particularly is this so in the nursing division. Our school and pre-school population increases at an astonishing rate.

We anticipate that our new Eastwood Health Centre, under construction in 1957, will greatly facilitate our services in 1958.

The birth-rate in our city showed a slight reduction from 1956, although the total of 8,186 babies was the greatest ever reported in one year.

The general death-rate remained at the same low level established the previous year.

Heart disease and cancer, by far the greatest causes of death, both showed a decreased mortality.

Infant deaths were also fewer than in 1956, and only one mother was lost, under rather unusual circumstances, in 8,186 births.

Automobile deaths reported in the city were reduced to 18 from 28 in 1956. The toll is still a grave one, but such a reduction is a credit to police, traffic control and safety groups. It is to be hoped that it also indicates a determination on the part of motorists to control this slaughter.

It was an epidemic year for both measles and rubella. For mothers exposed to the latter disease during the first four months of pregnancy, we obtained free gamma globulin from the provincial health department.

An outbreak of diphtheria in a children's institution gave most of our 11 cases of diphtheria, and one death occurred from this disease. Diphtheria can be so readily controlled if all institutions, as well as all parents, will see that children are protected by inoculation.

Cases and deaths from tuberculosis are both increasing. We urge our citizens to use the facilities for a chest X-ray provided by the Alberta Tuberculosis Association in the basement of the City Hall.

Venereal disease is increasing in our city.

A total attendance of 28,011 at our well baby and pre-school clinics, and 78,042 at inoculation clinics indicates the volume of service being provided by these divisions.

The City Commissioners allotted to us the vacant eighth floor of the City Hall, with direct elevator service, for special poliomyelitis vaccine clinics. This enabled us to inoculate some 12,000 pre-school children who could not have been accommodated in our ordinary clinics. Many mothers were kind enough to compliment the City on the convenience of this arrangement.

The notable increase in school population has made school health services our most rapidly expanding division. Some 145,400 physical examinations by physicians and nurses, 16,348 examinations by school dentists, and 69,005 inoculations against poliomyelitis, diphtheria and tetanus were part of the services provided for school children. Despite rapidly increasing numbers, we believe the health supervision of our school children is among the best in our country.

The sanitary protection of water, milk and other food supplies in restaurants, stores, food factories, dairy farms and local abattoirs has been carried out by our sanitary division and staff veterinarian.

Our health education programme for food-handlers has been extended, and we think is valuable to this group and to our citizens.

The problems of our sanitary division in matters of housing and general sanitation have been intensified by the rapid growth of our city.

During 1957 a plebiscite was taken on fluoridation of our City water supply. A firm majority, 64.6%, of those voting were in favour of this procedure, but our provincial government will not permit this measure except with a two-thirds majority.

From the public health standpoint, it is discouraging that this solution which science has offered for widespread prevention of our universal tooth-decay, and which has been proven safe and effective in so many cities of our continent for the past thirteen years, is denied to our present generation of children.

We appreciate the continued financial and technical assistance extended by the provincial and federal health departments; also advice freely given by various departments of our university. The administrators of our City and school boards have been unstinting in their co-operation with our efforts; and finally, we are grateful to the members of this Board for their careful consideration and support of those policies which we hope may promote the best possible health services for our citizens.

Yours truly,

G. M. LITTLE,

Medical Health Officer.

EXPENDITURES 1957

Salaries	\$259,871.00
Furniture and Office Supplies	10,406.00
Printing and Postage, Stationery	4,659.00
Medical Supplies, etc.	3,617.00
Telephones, Advertising, Uniforms, etc.	2,778.00
Pensions and Insurances	12,392.00
Transportation	10,788.00
Miscellaneous	1,582.00
Milk and eye glasses	759.00
	\$306,852.00
	— Cost per capita—\$1.24
REVENUE	
Permits, Meat Inspection	\$ 4,620.00
License Department	1,500.00
Federal and Provincial Grants	90,234.00
	\$ 96,354.00
Net Expenditure	\$210,498.00

CLASSIFICATION OF EXPENDITURE 1957

	Adminis- tration	Communi- cable Disease Control	Milk and Cairy Supervision	Food and Meat Control	Well Baby Clinics	Sanitation	Vital Statistics	School Health Services	Total Expendi- tures
Salaries	\$15,792.	\$29,346.	\$11,453.	\$7,233.	\$29,491.	\$38,876.	\$1,315.	\$126,365.	\$259,871.
Furniture and Office Machines	258.	1,090.	43.	—	1,362.	104.	—	7,549.	10,406.
Milk	—	—	—	—	—	—	—	112.	112.
Eye Glasses	—	—	—	—	—	—	—	647.	647.
Medical Supplies	85.	446.	57.	—	137.	12.	—	2,880.	3,617.
Printing, Postage & Stationery	1,443.	406.	40.	16.	557.	110.	—	2,087.	4,659.
Transportation Allowances	480.	—	480.	300.	—	2,385.	—	3,888.	7,533.
Phones, Advtg., travelling, etc.	813.	258.	64.	—	258.	130.	—	512.	2,035.
Uniforms	—	296.	—	—	272.	130.	—	45.	743.
Miscellaneous	75.	399.	21.	70.	403.	24.	—	590.	1,582.
Insurances and Pensions	7,793.	—	—	—	—	—	—	4,599.	12,392.
Garage Charges	—	421.	1,055.	—	1,779.	—	—	—	3,255.
	\$27,739.	\$32,662.	\$13,213.	\$7,619.	\$34,259.	\$41,771.	\$1,315.	\$149,274.	\$306,852.
	8.7%	10.7%	4.1%	2.5%	11.2%	13.7%	.4%	48.7%	100%

SUMMARY OF STATISTICS

Area of City—44.8 sq. miles

	1957	1956	1955	1954	1953
Population	238,353	224,003	209,353	197,836	183,411
Persons per acre of land.....	8.3	7.8	7.3	7.0	6.8
Cost per capita.....	1.24	1.17	1.16	1.09	1.11
School enrolment	46,682	42,645	39,065	35,585	31,578
Natural increase of population.....	6,667	6,409	5,861	5,730	5,077
BIRTHS					
Total births	11,513	11,035	10,420	10,061	9,194
Resident births only	8,186	7,821	7,302	7,091	6,377
Resident rate per 1000 population.....	34.3	35.1	34.8	35.2	34.7
STILLBIRTHS					
Total stillbirths	135	135	154	127	150
Resident stillbirths only	86	92	101	84	95
Resident stillbirths rate per 1000 living births	10.5	11.7	13.8	11.8	14.8
DEATHS					
Total deaths	2,284	2,191	2,005	1,994	1,954
Resident deaths only	1,519	1,412	1,441	1,361	1,300
Resident rate per 1000 population	6.3	6.3	6.8	6.9	7.0
INFANT MORTALITY					
Total deaths under 1 year of age	277	254	237	223	218
Resident deaths under 1 year of age..	174	169	163	143	145
Resident rate per 1000 living births..	21.2	21.6	22.3	20.1	22.7
MATERNAL MORTALITY					
Maternal deaths (Resident only)	1	1	3	0	2
Rate per 1000 living births .....	.012	.012	.04	0	.31
MARRIAGES					
Marriages	3,121	2,967	2,985	2,996	2,997
Rate per 1000 population.....	13.1	13.2	14.2	15.1	16.3

VITAL STATISTICS

	1957	1956	1955	1954	1953
Births					
Total births	11,513	11,035	10,420	10,061	9,194
Resident births only	8,186	7,821	7,302	7,091	6,377
Male	4,106	4,079	3,767	3,664	3,288
Female	4,080	3,742	3,533	3,427	3,089
Double Births					
(Residents only)	76	80	79	66	61
Triple Births					
(Residents only)	—	3	4	1	—
Resident					
Illegitimate births	348	375	354	312	284
Total Illegitimate births....	637	603	556	505	477
Born in Institutions					
(Residents)	8,185	7,819	7,301	7,088	6,375
Maternal Parentage:					
Canada	6,476	6,278	5,803	5,709	5,321
British Isles	361	367	384	399	328
Europe and Asia.....	1,235	1,027	962	827	581
U.S.A.	94	118	124	121	126
Other Countries	20	31	29	35	21

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH 1957

	-20	20-24	25-29	30-34	35-39	40-44	Over 45	Total Number	%
1st Child	587	1,265	645	218	79	12	2	2,808	34.5
2nd Child	121	931	826	354	122	19	—	2,373	29.0
3rd Child	19	307	574	415	172	31	2	1,520	17.9
4th Child	—	74	267	274	146	28	—	789	9.7
5th Child	—	24	103	138	87	32	1	385	4.8
6th Child	—	6	36	59	57	14	—	172	2.3
7th Child	—	—	14	36	20	11	—	81	1.0
8th Child	—	1	8	10	8	2	—	29	.4
9th Child	—	—	1	3	7	6	—	17	.2
10th Child and over.....	—	—	—	4	3	5	—	12	.2
	727	2,608	2,474	1,511	701	160	5	8,186	100.0

STILLBIRTHS	1957	1956	1955	1954	1953
Total Stillbirths	135	135	154	127	157
Resident Stillbirths only	86	92	101	84	100
Male	39	50	51	40	61
Female	47	42	50	44	39
Born in Institutions	86	92	101	84	100
Cause of Foetal Deaths:					
Dystocia	27	43	40	37	46
Prematurity	4	3	11	6	7
Toxemia of Pregnancy	3	3	8	3	8
Syphilis .....	—	—	....	..	..
Malformation	19	8	19	9	19
Placenta and Membranes.....	24	8	6	14	5
Traumatism, Overwork .....	—	—	..	....	....
Other Conditions	9	26	17	15	15
DEATHS	1957	1956	1955	1954	1953
Total Deaths	2,284	2,191	2,005	1,994	1,954
Resident Deaths only	1,519	1,412	1,441	1,361	1,300
Male	927	880	873	862	813
Female	592	532	568	499	487
Resident Rate per 1,000 population	6.3	6.3	6.8	6.9	7.0
Racial Origin:					
Canada	602	513	551	515	460
British Isles	443	241	423	426	410
Europe and Asia	352	358	318	289	271
U.S.A.	101	76	100	71	86
Others	21	24	49	60	73
INFANT MORTALITY	1957	1956	1955	1954	1953
Total deaths under 1 year of age....	277	254	237	223	218
Resident deaths under 1 yr. of age	174	169	163	143	145
Male	92	89	91	80	82
Female	82	80	72	63	63
Legitimate	157	152	150	133	131
Infant mortality rate per 1,000 living births.....	21.2	21.6	22.3	20.1	22.7
Racial Origin:					
Canada	150	140	135	114	128
British Isles	7	10	7	7	6
Europe and Asia.....	15	13	16	15	10
U.S.A.	2	2	....	4	1
Others	—	4	5	3	....

INFANT MORTALITY—1957

	SEX		BY MONTH												BY AGE										
	TOTAL	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Total Under 1 Month	1-3 Months	4-6 Months	7-9 Months	10-12 Months
193	1	1							1														1		
292	1		1							1														1	
204	1		1										1									1			
289	1		1							1												1			
325	1	1									1					1					1				
340	1		1						1									1							
450	2	1	1					1					1									2			
474	2	1	1							1			1									2			
480	1		1											1									1		
490	2	1	1						1				1										1		
491	2	2				1																	1		
492	1		1					1														1			
493	4	2	2								1		1	1	1								2		2
500	3	2	1							1				1	1							3			
522	1		1					1								1					1				
527	1	1					1																1		
560	3	2	1				1	1	1							3					3				
571	1	1													1							1			
609	2	1	1		1					1									1		1				
750	2		2			2										2					2				
751	2	2								2												1		1	
752	4	2	2		1	1				1	1					1					1	1	1	1	
753	2	1	1			1		1									1				1	1			
754	13	7	6	1	1			2		1	2	2	1	1	2	2	2	1			5	6	2		
756	4	3	1			1		1					1		1		2		1		3	1			
757	4	3	1		1					1		1			1	1		1		1	3	1			

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PRINCIPAL CAUSES OF DEATH, 1957

		Total	Male	Female	% of Total Deaths	Rate per 100M Population
420-433	Diseases of Heart	393	270	123	25.8	164.0
140-205	Cancer	270	148	122	17.7	113.2
330-334	Vascular lesions affecting Central Nervous System	149	78	71	9.8	62.5
750-776	Diseases of early infancy	147	77	70	9.6	61.7
800-999	External causes	123	95	28	8.0	51.6
440-447	Hypertension	50	20	30	3.2	20.9
490-493	Pneumonia	46	26	20	3.0	19.3
260	Diabetes Mellitus	28	13	15	1.8	11.7
480-483	Influenza	19	10	9	1.2	7.9
001-019	Tuberculosis, all forms	18	13	5	1.1	7.5
	All other diseases	276	177	99		
TOTALS		1,519	927	592		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1957	1519	393	25.8	164.0
1956	1412	396	28.0	176.7
1955	1441	363	25.2	173.3
1954	1361	351	25.8	177.4
1953	1300	353	26.9	191.7

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1957	1519	270	17.7	113.2
1956	1412	259	18.3	115.6
1955	1441	259	17.9	123.7
1954	1361	235	17.2	118.8
1953	1300	212	16.3	114.5

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1957	1519	149	9.8	62.5
1956	1412	131	9.2	65.6
1955	1441	146	10.1	69.7
1954	1361	160	11.7	80.9
1953	1300	128	9.9	69.5

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1957	1519	18	1.1	7.5
1956	1412	10	.7	4.4
1955	1441	12	.8	5.7
1954	1361	9	.66	4.5
1953	1300	13	1.0	7.0

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1957	1519	46	3.0	19.3
1956	1412	51	3.5	22.7
1955	1441	44	3.0	20.9
1954	1361	45	3.3	22.7
1953	1300	50	3.8	27.7

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	All Other Accidents	Percentage of Deaths	Rate Per 100M Population
1957	1519	123	95	28	22	4	33	64	8.0	51.6
1956	1412	116	82	34	24	3	56	33	8.2	51.7
1955	1441	115	86	29	17	6	30	62	7.9	54.9
1954	1361	104	81	23	17		32	55	7.6	53.5
1953	1300	112	85	27	13	4	42	53	8.6	60.8

IMMUNIZATION CLINIC

	1957	1956	1955	1954	1953
No. of persons receiving 1st doses	29,484	15,245	10,524	13,216	10,405
No. persons receiving reinforcing doses	6,960	6,145	5,597	3,858	2,981
Total procedures	144,470	96,601	77,053	69,639	50,417
Total attendance	78,042	42,954	33,709	30,335	23,132
Phone calls	13,996	11,303	5,781	4,854	2,235
Out-of-town persons attending clinics	863	749	748	999	769
Student days	251	214	222	171	164
Clinics held:					
Main clinic	251	251	250	250	250
Average attendance	193	97	91	82	76
South Side Clinic	250	251	250	250	162
Average attendance	60	47	44	40	25
Woodcroft Clinic	250	199	—	—	—
Average attendance	58	34	—	—	—

IMMUNIZATION RECORD, 1957

	Immunization Clinics	School Health Services
Diphtheria		
1st dose	3,110	3,317
Re-inforcing doses	3,132	11,599
Total doses	14,673	20,405
Whooping Cough		
1st dose	3,002	
Re-inforcing doses	3,015	
Total doses	14,010	
Tetanus		
1st dose	3,254	3,317
Re-inforcing doses	3,075	11,599
Total doses	14,996	20,405
Typhoid		
1st dose	160	
Re-inforcing doses	22	
Total doses	471	
Smallpox		
Smallpox vaccinations	2,562	
Poliomyelitis		
1st dose	13,069	12,911
Total doses	26,535	48,600
Cholera		
1st dose	44	
Total doses	95	
Typhus		
1st dose	21	
Total doses	45	
Rocky Mountain Spotted Fever		
1st dose	5	
Total doses	11	
Flu Vaccine		
Total doses	1,289	
Schick Test		
	107	

COMMUNICABLE DISEASES, 1953 - 1957

	1957		1956		1955		1954		1953	
	C	D	C	D	C	D	C	D	C	D
Diphtheria	11	1	5	...	4	...	3	...	1	...
Diphtheria Carriers	16	...	5	...	...	...	...	...	...	...
Dysentery .....	...	...	3	...	...	...	...	...	...	...
Encephalitis	1	1	...	...	...	...	...	...	1	...
Measles	4069	...	241	...	1951	...	219	...	4088	...
Paratyphoid Fever .....	...	...	...	...	1	...	...	...	2	...
Poliomyelitis	8	1	13	...	58	1	75	5	322	16
Rubella	1329	...	123	...	149	...	132	...	2019	...
Scarlet Fever, Streptococcal Sore Throat	202	...	165	...	151	...	210	1	651	1
Tuberculosis (Pulmonary)	173	17	150	9	133	8	125	7	112	13
Tuberculosis (Other forms)	17	1	23	1	22	5	21	2	25	...
Typhoid Fever	1	...	4	...	...	...	1	1	...	...
Typhoid Fever Carrier .....	...	...	1	...	...	...	...	...	...	...
Whooping Cough	147	...	121	...	300	...	181	...	269	...
VENEREAL DISEASE:										
Gonorrhoea	1324	...	1171	...	1215	...	1160	...	1043	...
Syphilis	45	3	70	2	76	...	92	2	48	...
Morbidity per 1000 population	7342	24	2095	12	4064	14	2222	18	8581	23
	30.8		9.3		19.4		11.3		62.9	

C— Cases D— Deaths

COMMUNICABLE DISEASE BY AGE, 1957

	City Cases	Male	Female	Under 1	1/4	5/14	15/19	Over 20	Not Stat- ed	Non- Resi- dents
Diphtheria	12	8	4	...	3	3	...	6	...	4
Diphtheria Carriers	15	2	13	...	8	7	...	...	...	...
Encephalitis	1	...	1	...	...	...	...	1	...	...
Measles	4069	1968	2101	106	1591	2323	17	28	4	41
Poliomyelitis	8	4	4	1	4	2	...	1	...	11
Rubella	1329	592	737	28	234	948	69	48	2	3
Scarlet Fever, Streptococcal Sore Throat	202	84	118	3	57	129	9	3	1	2
Typhoid Fever	1	1	...	...	1	...	...	...	...	4
Tuberculosis (Pulmonary)	173	94	79	...	4	6	11	149	3	...
Tuberculosis (Other forms)	17	9	8	...	2	2	...	13	...	...
Whooping Cough	147	58	89	21	53	71	1	1	...	11
VENEREAL DISEASE										
Gonorrhoea	1324	674	650	...	...	3	144	1167	10	...
Syphilis	45	27	18	...	...	...	4	40	1	...
TOTAL	7343	3521	3822	159	1957	3494	255	1457	21	76
DEATHS										
Diphtheria	1	1	...	...	...	...	...	1	...	...
Encephalitis	1	...	1	...	...	...	...	1	...	...
Poliomyelitis	1	...	1	...	1	...	...	...	...	...
Tuberculosis (Pulmonary)	17	12	5	...	...	...	...	17	...	...
Tuberculosis (Other forms)	1	1	...	...	...	...	...	1	...	...
Syphilis	3	3	...	...	...	...	...	3	...	...
TOTAL	24	17	7	...	1	...	...	23	...	...

COMMUNICABLE DISEASE BY SEASON AND SEX, 1957

	Total	Male	Female	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Non-Resident
Diphtheria	12	8	4	2	4	2	2	...	...	...	1	...	...	1	...	4
Diphtheria Carriers	15	2	13	...	...	3	11	...	...	...	...	...	...	1	...	...
Encephalitis	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...
Measles	4069	1968	2101	122	416	1285	1168	586	240	92	39	20	8	28	65	41
Poliomyelitis	8	4	4	...	...	...	...	...	...	2	1	3	2	...	...	11
Rubella	1329	592	737	57	107	163	244	338	192	67	26	30	21	31	53	3
Scarlet Fever, Streptococcal Sore Throat..	202	84	118	28	33	25	20	14	19	8	7	8	8	13	19	2
Typhoid Fever	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	4
Tuberculosis (Pulmonary)	173	94	79	14	17	12	15	19	11	19	14	11	15	6	20	...
Tuberculosis (Other forms)	17	9	8	3	...	...	...	1	1	2	1	1	4	4	...	...
Whooping Cough	147	58	89	17	11	6	10	10	7	6	9	28	13	25	5	11
VENEREAL DISEASE																
Gonorrhoea	1324	674	650	114	118	104	106	125	88	154	93	124	132	100	66	...
Syphilis	45	27	18	3	2	7	1	8	1	1	3	1	8	7	3	...
TOTAL	7343	3521	3822	360	708	1608	1577	1101	559	351	194	227	211	216	231	76
DEATHS																
Diphtheria	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Encephalitis	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...
Poliomyelitis	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...
Tuberculosis (Pulmonary)	17	12	5	3	1	...	1	3	5	...	...	...	1	2	1	...
Tuberculosis (Other forms)	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis	3	3	...	...	1	...	...	...	...	...	...	...	1	...	1	...
TOTAL	24	17	7	4	2	...	1	3	5	...	1	2	2	2	2	...

ISOLATION HOSPITAL, 1957

Two hundred and thirty-three cases of communicable disease were admitted to the Isolation hospital during 1957.

Diphtheria	17
Diphtheria carriers	17
Diphtheria cutaneous	2
Measles	119
Poliomyelitis	17
Poliomyelitis — suspect	3
Poliomyelitis — Bulbar	1
Scarlet Fever	12
Typhoid Fever	6
Typhoid Fever suspects	3
Whooping cough	34



TUBERCULOSIS CONTROL

	1957	1956	1955	1954	1953
Cases—Pulmonary Tuberculosis	173	150	133	125	112
All other forms of T.B.	17	23	22	21	25
*Rates—Pulmonary Tuberculosis	72.5	66.9	63.5	63.1	51.4
All other forms of T.B.	7.0	10.2	10.5	10.6	13.6
Deaths—Pulmonary Tuberculosis	17	9	8	7	13
*per 100,000 population					

Kinsmen's Club Service

	1957	1956	1955	1954	1953
Total visits by Nurse.....	4,349	4,955	4,333	3,476	3,913
Visits to T.B. Cases.....	862	907	805	792	933
Visits to contact cases.....	1,814	1,922	1,702	1,574	1,474
Observation, co-operative visits	153	199	266	110	296
Tuberculin tests in homes	573	1,956	1,500	1,363	580

Chest Survey:	City Hall	6,922	(8 months)
	Industrial	2,961	
		<u>9,883</u>	

SCHOOL HEALTH SERVICES, 1957

During 1957, paralleling the growth of the City, the number of pupils attending school in Edmonton increased by 4,197. Aproximately 84 new classrooms were opened. The total registration at the end of the year was 48,682 pupils.

The staff of the Health Departmnet was increased by one full time medical officer, who gave over 50% of her time to the School Health Service. The School Health Nursing Division was increased by two full time nurses. On a pilot basis, in attempt to relieve the nurses of some of the ever increasing load of clerical work, a full time clerical assistant was appointed.

Two small outbreaks of diphtheria are noted from the early part of the year. Each outbreak was traced to cases entering the City from other communities in Northern Alberta. The first outbreak was in a residential institution for children. The second involved three families, economically underprivileged and living in a very poor scetion of the City. In total, 3 cases and 3 carriers were located before the outbreaks were checked. The statement in the 1956 report is worth reiteration—diphtheria is still present in the outlying areas and immunization against diphtheria remains an essential procedure.

In 1957 immunization against diphtheria was offered to all pupils in Elementary and Junior High Schools whose immunization status was judged poor. On a similar basis, but including High Schools, poliomyelitis vaccine was offered to school pupils. This represents an extremely heavy immunization programme for one year and in consequence, there was some reduction in the routine services.

The fall of the year saw the arrival of the much heralded epidemic of Asiatic strain influenza. The epidemic was curiously spotty in nature, attacking at any particular time widely separated schools. In many schools there was severe depletion of attendance. Few cases of the illness were severe, but relapses did occur, especially in those returning to a full routine too quickly.

It is most regrettable that the fall plebescite regarding Fluoridation of the city water supplies failed. That it failed by so small a margin is indicative of the great interest of the majority of our citizens and their desire to protect as far as possible, the teeth of their children. The statistics of the dental division continue to show the pressing need for this preventative measure.

The general standard of health of school children continues at a high level. Environmental conditions are very good.

Examinations by Medical Officers:

Complete periodic examinations	13,486
Examinations on special referral	956
Re-examinations	146
Partial examinations	562
Total number of examinations	15,150
*Number of pupils with defects	5,480
Parents invited to examinations	10,253
Parents present at examinations	6,727
Pupils referred to physicians	619
Pupils referred to dentists	536

*Excluding teeth)

Examinations by Nurses:

Periodic examinations	10,078
Examinations on special referral	24,774
Re-examinations	4,467
Partial examinations	90,884
Total number of examinations	130,203
Number of pupils with defects	24,935
Pupils referred to physicians	2,285
Pupils referred to dentists	1,066

School Nursing Services

Home visits	2,629
Consultations with physicians	192
Consultations with teachers	12,404
Consultations with parents	5,225
Consultations with others.....	1,662
Pupils given first aid	9,536
Lectures and Talks	179
Student days	96

Dental Services

Number of operations	7,188
Number of cases completed	410

Dental Survey

Number of schools visited	109
Number of children examined	28,542
Number of children with defective teeth	23,930
Number of children without defective teeth.....	4,612

WELL BABY AND PRE-SCHOOL CLINICS—1953 to 1957

	1957	1956	1955	1954	1953
Total attendance	28,011	25,413	21,515	20,791	17,611
Under 1 year	19,133	17,767	15,504	15,019	12,906
1 to 6 years.....	8,878	7,646	6,011	5,772	4,705
Out-of-town	1,128	959	1,148	1,521	1,442
Number of Clinics held:					
Main Clinic	250	251	250	250	250
Average attendance	44	47	55	54	57
Average monthly attendance	916	987	1,141	1,132	1,179
South Side Clinic	250	251	250	250	250
Average daily attendance	36	34	31	29	21
Average monthly attendance	750	715	652	600	432
Woodcroft Clinic	250	199	—	—	—
Average daily attendance.....	32	25	—	—	—
Average monthly attendance	668	525	—	—	—
Total average attendance (3 clinics)	112	101	86	83	70
Total average monthly attendance (3 clinics)	2,334	2,118	1,796	1,733	1,611
Total new admissions	6,320	6,174	5,043	5,029	4,578
Under 1 year	4,712	4,633	3,965	3,931	3,518
1 to 6 years	1,608	1,541	1,078	1,098	1,060
Re-admissions	269	273	230	222	247
Discharged	4,859	5,086	4,002	3,682	3,741
No. of active charts transferred..	498	808	242	312	511
No. of retired charts transferred	79	106	49	54	68
Total remaining on Roll	16,079	14,119	13,031	11,990	10,643
Home visits	2,767	2,728	2,693	2,147	2,517
Telephone calls	13,001	10,175	8,274	8,204	6,136
Correspondence	36	49	50	79	111
Number seen by Doctor	627	819	943	875	823
Referred to family doctor	489	354	265	247	211
Number of student days	251	212	222	287	168

Physicians were in charge at the Main clinic two afternoons a week and one afternoon a week at the other two clinics.

VICTORIAN ORDER OF NURSES

	1957	1956	1955	1954	1953
Prenatal care	1	5	5	30	34
Prenatal instructions	6	26	—	—	—
Postnatal care	1	3	4	17	12
Postnatal instructions	2,094	1,887	—	—	—
Newborn care	203	219	219	230	285
Newborn instructions	1,832	2,007	1,735	1,486	1,630
Medical and Surgical, etc.	14,407	9,802	13,040	12,402	10,416
Total visits	18,534	16,544	15,113	14,165	12,367
Prenatal clinics held	60	35	39	30	18
Total attendance	2,052	1,154	—	—	—
Average attendance	33	33	22	18	18

SANITATION

INSPECTIONS:

	1957	1956
Dwellings	156	133
Hotels, lodging houses, apartment blocks	442	545
Schools, blocks, public buildings	20	12
Stores, bakeshops, business establishments	2,845	2,833
Restaurants	3,137	2,764
Garbage cans, etc.	86	134
Streets, lanes, yards, dumps, etc.	28	29
Aged homes	6	....
Miscellaneous (including barber shops, beauty parlors, auto courts and service stations)	636	1,009
	<hr/>	<hr/>
	7,356	7,459
Re-inspections	442	395

NOTICES:

Written	165	185
Verbal	2,673	2,772
Garbage	41	42

COMPLAINTS:

Received from public	369	453
Justified	327	403
Received from other departments	17	16
Referred to other departments	14	30
The complaints were made up as follows:		
Garbage, streets, lanes, etc.	88	128
Vermin	32	44
Housing, plumbing and drainage.....	117	149
Food and drink.....	51	54
Miscellaneous	81	79

LICENSES:

License applications investigated	3,358	3,009
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PLUMBING:

Sewer and water notices issued	25	13
Extension of time granted.....	15	4
Plumbing permits issued	3,777	4,011
Plumbing permits issued for old buildings	77	96
Alterations to existing plumbing (fixtures)	2,042	1,392
Privies eliminated through installation of plumbing	77	96
Number of septic tanks installed	10	12

SCAVENGING CLEAN-UP WORK:	1957	1956
Refuse removed during Clean-Up Week (cubic yards)	26,000	25,000

ANIMALS, BARNS, STYES:

Cow owners	33	46
Hog owners	16	18
Goat owners	2	3
Fur farm owners.....	6	9

FOOD:

Samples submitted to Provincial Laboratory ..	1	6
Foodstuffs condemned (pounds)	3,428	2,014

WATER:

Water samples taken	6	7
Negative	4	5
*Positive	2	2
Wells chlorinated	0	0
Wells condemned	0	4
*Wells condemned or further samples taken after chlorination.		

HOUSING:

Necessary notices were issued in connection with overcrowding, vermin and other unsanitary conditions in 156 dwellings and 442 hotels, lodging houses, apartment blocks, etc.

POISON GAS FUMIGATION:

Vermin were eliminated from six establishments by the use of hydrocyanic acid gas.

ENFORCEMENT OF REGULATIONS:

Prosecutions.....	0	0
Number of student days	40	74

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef:	1957	1956	1955
Number of carcasses inspected	9,823	8,223	7,544
Carcasses condemned	22	25	35
Portions condemned	962	759	562
Weight (lbs.) of carcasses and portions condemned	22,830	21,375	20,580
Veal:			
Number of carcasses inspected	1,711	1,790	1,330
Carcasses condemned	1	2	....
Portions condemned	31	44	27
Weight (lbs.) of carcasses and portions condemned	280	390	160
Mutton:			
Number of carcasses inspected	80	194	251
Carcasses condemned .....	....	..	1
Portions condemned .....	....	47	20
Weight (lbs.) of carcasses and portions condemned .....	....	195	160
Pork:			
Number of carcasses inspected	11,131	10,067	18,477
Carcasses condemned	1	1	45
Portions condemned	1,333	1,212	1,761
Weight (lbs.) of carcasses and portions condemned	14,205	13,500	35,640

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected .....	....	1	....
Percent	0	.01	0
Pork:			
Infected	1,059	869	896
Percent	9.51	8.63	9.58

CHIEF CAUSES OF CONDEMNATION, 1957

Beef:	Carcasses	Portions	Weight (lbs.)
Abscess .....	....	799	8,100
Actinomycosis .....	...	161	3,240
Septicaemia	13	....	6,780
Uremia	3	....	1,670
Miscellaneous (including emaciation, lymphocytoma, mucoid degeneration, moribund, etc.)	6	2	3,040
	22	962	22,830
Veal:			
Abscess .....	....	6	30
Adhesions .....	....	24	120
Tuberculosis	1	....	120
Actinomycosis .....	....	1	10
	1	31	280
Mutton:			
Nil			
Pork:			
Bruised .....	....	1	20
Parasites .....	....	246	1,280
Tuberculosis	1	1,061	12,655
Rhinitis .....	....	25	250
	1	1,333	14,205

DISEASED ANIMALS

	1957	1956	1955
Beef	962	766	578
Veal	29	45	27
Mutton .....	....	47	21
Pork	1,117	1,033	856
Total amount of meat condemned (lbs.)	37,315	34,460	35,640

*FOODSTUFFS CONDEMNED BY INSPECTORS

	1957	1956	1955
Poultry	20	15	24
Damaged by fire, flood, etc.	3,408	1,849	4,300
Fish .....	....	150	....
Sundries .....	....	....	750
*Pounds	3,428	2,014	5,074

MILK AND WATER REPORT

	1957		1956	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Inspections:				
Producer-shippers, milk	500	1,020	485	930
Producer-shippers, cream	59	56	68	65
Producers—Contacts		317		244
Pasteurization Plants—Contacts		227		239
Pasteurization Plants	5	226	5	215
Vehicles		479		665
Others, Complaints, etc.		12		11
Licenses and Permits:				
Retail milk certificates issued		752		647
Dairy Licenses issued		559		560
Dairy Licenses refused .....		....		..
Dairy Licenses suspended temporarily		18		32
Permits issued to cow keepers in the city		36		55
Samples:				
Milk samples taken, retail		1,205		1,232
Milk samples taken, shippers		10,934		11,675
Cream samples taken		236		243
Chocolate Milk samples		130		127
Ice cream samples		5		10
TESTS—Milk:				
Standard Plate Counts		1,205		1,232
Coliform tests		495		498
Phosphatase tests		691		675
Methylene blue tests		10,934		11,676
Butterfat tests .....		....		34
Restaurants:				
Swab tests of utensils		1,476		1,147
Water:				
Standard plate counts		297		281
Coliform tests		297		281
Chlorine content checks		297		281
Raw river water plate counts		44		95
Swimming Pools:				
Plate counts		298		198
Coliform tests		298		198
Inspections		244		267
Student Days		26		70

